

Title (en)
TRANSMITTING APPARATUS, TRANSMITTING METHOD, RECEIVING APPARATUS, RECEIVING METHOD AND TRANSFER SYSTEM

Title (de)
SENDEVORRICHTUNG, SENDEVERFAHREN, EMPFANGSSVORRICHTUNG, EMPFANGSVERFAHREN UND ÜBERTRAGUNGSSYSTEM

Title (fr)
APPAREIL DE TRANSMISSION, PROCÉDÉ DE TRANSMISSION, APPAREIL DE RÉCEPTION, PROCÉDÉ DE RÉCEPTION ET SYSTÈME DE TRANSFERT

Publication
EP 2026486 A4 20140402 (EN)

Application
EP 07745174 A 20070613

Priority
• JP 2007061907 W 20070613
• JP 2006174207 A 20060623

Abstract (en)
[origin: EP2026486A1] It is desired to suitably carry out transmission processing and reception processing carried out when transmitting a multicarrier signal where specific subcarriers are omitted. Therefore, the present invention carries out transmission avoidance processing operable when transmitting a multicarrier signal to replace signals corresponding to subcarriers, in a plurality of subcarriers, at frequency positions where transmission is avoided with a null signal. Subsequently, an inverse Fourier transform is carried out on the output of the transmission avoidance processing, the transmission power of the multicarrier signal that has been transformed is amplified in accordance with the number of subcarriers replaced with the null signal and the multicarrier signal is transmitted. When this multicarrier signal is received, subcarriers where transmission was avoided are estimated, and when it is estimated in the estimation that subcarriers where transmission was avoided are present, despreading and demodulation are carried out without using the subcarriers where transmission was avoided.

IPC 8 full level
H04J 11/00 (2006.01); **H04B 1/69** (2011.01); **H04B 1/707** (2011.01); **H04J 1/00** (2006.01); **H04L 5/00** (2006.01); **H04L 27/26** (2006.01)

CPC (source: EP US)
H04L 5/0007 (2013.01 - EP US); **H04L 5/0062** (2013.01 - EP US); **H04L 25/03828** (2013.01 - EP US); **H04L 27/2602** (2013.01 - EP US); **H04L 27/26265** (2021.01 - EP US); **H04L 27/2647** (2013.01 - EP US); **H04W 74/08** (2013.01 - EP US); **H04W 84/12** (2013.01 - EP US)

Citation (search report)
• [XYI] EP 1551121 A1 20050706 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [Y] US 2005036563 A1 20050217 - SUZUKI MITSUHIRO [JP], et al
• [IY] EP 1411664 A1 20040421 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• See references of WO 2007148579A1

Cited by
US8355666B2

Designated contracting state (EPC)
AT DE FR GB IT NL

DOCDB simple family (publication)
EP 2026486 A1 20090218; EP 2026486 A4 20140402; CN 101479976 A 20090708; CN 101479976 B 20130925; JP 2008005324 A 20080110; JP 4952088 B2 20120613; TW 200810403 A 20080216; TW I479829 B 20150401; US 2009207888 A1 20090820; US 8644399 B2 20140204; WO 2007148579 A1 20071227

DOCDB simple family (application)
EP 07745174 A 20070613; CN 200780023633 A 20070613; JP 2006174207 A 20060623; JP 2007061907 W 20070613; TW 96121003 A 20070611; US 30514307 A 20070613